IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): ~~An electrolytic~~ A capacitor, comprising:

an external casing;

a capacitor element enclosed in the external casing; and

a heat conductive material having heat conductivity of 1 W/m·K or more,

wherein the heat conductive material is disposed between the external casing and the capacitor element so as to be in contact with the external casing and the capacitor element.

Claim 2 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 1, wherein the heat conductive material having heat conductivity of 1 W/m·K or more is a heat conductive material in which one or more kinds of particles selected from the group consisting of an alumina particle, an aluminum nitride particle, a boron nitride particle and a zinc oxide particle are dispersed in a matrix material.

Claim 3 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 1, wherein the heat conductive material having heat conductivity of 1 W/m·K or more is a heat conductive material in which alumina particles are dispersed in a matrix material.

Claim 4 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 2, wherein an average particle diameter of the particle is 0.5 to 5 μm.

Claim 5 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 2, wherein a content rate of the particle in the heat conductive material is 70 mass% or more.

Claim 6 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 2, wherein the matrix material is silicone oil and/or denatured silicone oil.

Claim 7 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 2, wherein a synthetic resin is used as the matrix material.

Claim 8 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 7, wherein the synthetic resin is polyolefin.

Claim 9 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 8, wherein the polyolefin is polypropylene and/or polyethylene.

Claim 10 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 1, wherein the heat conductive material is in contact with the capacitor element by 30% or more of a height of the capacitor element.

Claim 11 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 1, wherein the external casing is made of aluminum.

Claim 12 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 1, wherein the ~~electrolytic~~ capacitor is an ~~aluminum~~ electrolytic capacitor.

Claim 13 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 1, wherein the capacitor element includes an anode foil, a cathode foil and a separator disposed between the anode foil and the cathode foil.

Claim 14 (Currently Amended): ~~An electrolytic~~ A capacitor, comprising:

an external casing made of aluminum; and

a capacitor element enclosed in the external casing,

wherein an external peripheral surface of the external casing is covered with an insulation film.

Claim 15 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 14, wherein the insulation film is an aluminum oxide film.

Claim 16 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 14, wherein the insulation film is an aluminum nitride film.

Claim 17 (Currently Amended): ~~An electrolytic~~ A capacitor, comprising:

an external casing made of aluminum; and

a capacitor element enclosed in the external casing,

wherein an external peripheral surface of the external casing is covered with an anodic oxide film formed by a surface treatment.

Claim 18 (Currently Amended): ~~An electrolytic~~ A capacitor, comprising:

an external casing made of aluminum; and

a capacitor element enclosed in the external casing,

wherein an external peripheral surface of the external casing is covered with an aluminum nitride film formed by a surface nitriding treatment.

Claim 19 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 14, wherein a thickness of the film is 1 to 20 μm.

Claim 20 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 14, further comprising a heat conductive material having heat conductivity of 1 W/m·K or more disposed between the external casing and the capacitor element so as to be in contact with the external casing and the capacitor element.

Claim 21 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 20, wherein the heat conductive material having heat conductivity of 1 W/m·K or more is a heat conductive material in which one or more kinds of particles selected from the group consisting of an alumina particle, an aluminum nitride particle, a boron nitride particle and a zinc oxide particle are dispersed in a matrix material.

Claim 22 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 20, wherein the heat conductive material having heat conductivity of 1 W/m·K or more is a heat-conductive material in which alumina particles are dispersed in a matrix material.

Claim 23 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 21, wherein an average particle diameter of the particle is 0.5 to 5 μm.

Claim 24 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 21, wherein a content rate of the particle in the heat conductive material is 70 mass% or more.

Claim 25 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 21, wherein the matrix material is made of silicone oil and/or denatured silicone oil.

Claim 26 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 21, wherein a synthetic resin is used as the matrix material.

Claim 27 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 26, wherein the synthetic resin is polyolefin.

Claim 28 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 27, wherein the polyolefin is polypropylene and/or polyethylene.

Claim 29 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 20, wherein the heat conductive material is in contact with the capacitor element by 30% or more of a height of the capacitor element.

Claim 30 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 14, wherein the ~~electrolytic~~ capacitor is an ~~aluminum~~ electrolytic capacitor.

Claim 31 (Currently Amended): The ~~electrolytic~~ capacitor as recited in claim 14, wherein the capacitor element includes an anode foil, a cathode foil and a separator disposed between the anode foil and the cathode foil.